

1     What is claimed is:

- 2     1.   Method for selecting a servicing routine for servicing of an inkjet print head of  
3         an inkjet printer comprising  
4         • receiving a first print job with a first time information representing time  
5         information about the first print job,  
6         • storing the first time information such as the first time information is kept  
7         even when the printer is switched off,  
8         • receiving a second print job with a second time information representing the  
9         time information of the second print job,  
10        • storing the second time information,  
11        • determining the time difference between the first time information and the  
12        second time information and  
13        • selecting a print head servicing routine depending on the time difference.
- 14    2.   Method for selecting a servicing routine for servicing of an inkjet print head of  
15         an inkjet printer according to claim 1, wherein after storing the first time  
16         information  
17         • the printer is switched off and  
18         • the printer is switched on.
- 19    3.   Method for selecting a servicing routine for servicing of an inkjet print head of  
20         an inkjet printer according to claim 1, wherein after initiating the selected print  
21         head servicing routine the memory is updated by the second time information.

- 1 4. Method for selecting a servicing routine for servicing of an inkjet print head of  
2 an inkjet printer according to claim 2, wherein after updating the memory the  
3 second print job is executed.
- 4 5. Method for selecting a servicing routine for servicing of an inkjet print head of  
5 an inkjet printer according to claim 1, wherein in case the determination of the  
6 time difference between the first time information and the second time  
7 information is not possible or does not lead to a reasonable result,  
8 a predefined servicing routine is selected.
- 9 6. Method for selecting a servicing routine for servicing of an inkjet print head of  
10 an inkjet printer according to claim 1, wherein after switching on the printer a  
11 dirty power cycle test step is carried out checking whether the printer had been  
12 switched off during a state in which the printer and in particular the print head  
13 had not been at rest.
- 14 7. Method for selecting a servicing routine for servicing of an inkjet print head of  
15 an inkjet printer according to claim 6, wherein in case before switching on the  
16 printer the inkjet printer had been switched off during a state in which the  
17 printer and in particular the print head had not been at rest,  
18 a further predefined servicing routine is selected.
- 19 8. Inkjet printer comprising  
20 ● a receiving unit, which receives data representing a current print job  
21 ● a time determination unit connected to the receiving unit, which determines  
22 the time information of the current print job,

- 1       • a first memory unit, which is capable of storing a time information,  
2       • a time difference determination unit connected to both the time  
3       determination unit and the first memory unit, which time difference  
4       determination unit determines the time difference between the stored time  
5       information and the time information of the current print job,  
6       • a second memory unit capable of storing data representing a plurality of  
7       different print head servicing routines,  
8       • a selecting unit connected to both the time difference determination unit and  
9       the second memory unit, which selecting unit selects a particular servicing  
10      routine depending on the time difference between the stored time information  
11      and the time information of the current print job,  
12      • a control unit connected to the selecting unit, which control unit initiates the  
13      selected particular servicing routine, and  
14      • a servicing means connected to the control unit, which servicing means is  
15      capable of performing a selected print head servicing routine,  
16      wherein  
17      the first memory unit keeps the stored time information independent of the  
18      power supply of the printer even if the printer is switched off.
- 19    9. Inkjet printer according to claim 8, wherein the first memory is connected to a  
20      battery or to an accumulator.
- 21    10. Inkjet printer according to claim 9, wherein the accumulator is charged via the  
22      supply voltage of the inkjet printer when the printer is switched on.

- 1 11. Computer program element which makes a computer execute a procedure  
2 comprising the following steps for selecting a servicing routine for servicing  
3 of an inkjet print head of an inkjet printer:
- 4 ● receiving a first print job with a first time information representing time
  - 5 information about the first print job,
  - 6 ● storing the first time information,
  - 7 ● switching off the printer, after the first time information has been stored
  - 8 ● switching on the printer again,
  - 9 ● receiving a second print job with a second time information representing the
  - 10 time information of the second print job,
  - 11 ● storing the second time information,
  - 12 ● determining the time difference between the first time information and the
  - 13 second time information and
  - 14 ● selecting a print head servicing routine depending on the time difference.
- 15 12. Computer readable medium having a program recorded thereon, where the  
16 program makes the computer execute a procedure comprising the following  
17 steps for selecting a servicing routine for servicing of an inkjet print head of an  
18 inkjet printer:
- 19 ● receiving a first print job with a first time information representing time
  - 20 information about the first print job,
  - 21 ● storing the first time information,
  - 22 ● switching off the printer, after the first time information has been stored
  - 23 ● switching on the printer again,
  - 24 ● receiving a second print job with a second time information representing the

time information of the second print job,

- storing the second time information,
- determining the time difference between the first time information and the second time information and
- selecting a print head servicing routine depending on the time difference.